



deformable and long rod

Search

[Advanced Scholar Search](#)  
[Scholar Preferences](#)  
[Scholar Help](#)

The "AND" operator is unnecessary – we include all search terms by default. [\[details\]](#)

**Scholar**

Results 1 - 10 of about **1,850** for **deformable and long rod**. (0.07 seconds)

### Probabilistic roadmap motion planning for **deformable** objects

OB Bayazit, JM Lien, NM Amato - Proceedings- IEEE International Conference on Robotics and ..., 2002 - [ieeexplore.ieee.org](http://ieeexplore.ieee.org)

... Moving a **long rod** through corridors may require the **rod** to bend ... the other objects in the environment are most appropriately modeled as **deformable** objects ...

Cited by 21 - [Web Search](#) - [cse.wustl.edu](http://cse.wustl.edu) - [parasol.tamu.edu](http://parasol.tamu.edu) - [csa.com](http://csa.com) - [all 7 versions »](#)

### STEADY STATE DEFORMATIONS OF A RIGID PERFECTLY PLASTIC ROD STRIKING A RIGID CAVITY

RC BATRA, PEIR LIN - Int. J. Engng. Sci, 1988 - [esm.vt.edu](http://esm.vt.edu)

... Wright [1], in his survey article on **long rod** penetrators, elucidated ... problem into two parts in which either a rigid **rod** penetrates a **deformable** target or a ...

Cited by 5 - [View as HTML](#) - [Web Search](#)

### Ricochet of a tungsten heavy alloy **long-rod** projectile from **deformable** steel plates

W Lee, HJ Lee, H Shin - Journal of Physics D Applied Physics, 2002 - [iop.org](http://iop.org)

... PII: S0022-3727(02)40065-4 Ricochet of a tungsten heavy alloy **long-rod** projectile from **deformable** steel plates Woong Lee 1, Heon-Joo Lee and Hyunho Shin ...

[Web Search](#) - [ingentaconnect.com](http://ingentaconnect.com) - [adsabs.harvard.edu](http://adsabs.harvard.edu) - [csa.com](http://csa.com) - [all 6 versions »](#)

### ... -**deformable long rod**[[Previously Titled: Regularities of punching thick plates by weakly-**deformable** ...

PP Lepikhin, SV Zhurakhovskii, KB Ivashchenko - Strength Mater.(Ukraine), 1993 - [csa.com](http://csa.com)

Penetration of a thick plate by a slightly-**deformable long rod**[[Previously Titled: Regularities of punching thick plates by weakly-**deformable long rods**]]. ...

[Web Search](#)

### Penetration of a thick plate by a slightly **deformable long rod**

PP Lepikhin, SV Zhurakhovskii, KB Ivashchenko - Strength of Materials, 1993 - [springerlink.com](http://springerlink.com)

Page 1. PENETRATION OF A THICK PLATE BY A SLIGHTLY **DEFORMABLE LONG ROD** PP

Lepikhin, SV Zhurakhovskii, and KB Ivashchenko UDC 539.374 ...

[Web Search](#)

### Simulative Studies of Deformation Behaviour of **Long Rod** Projectiles Under High and Hyper Velocity ...

AK Sengupta - Trans. Indian Inst. Met., 1983 - [csa.com](http://csa.com)

... has been used for both the target and projectile materials to simulate high velocity impact conditions pertaining to **deformable long rod** projectiles, on ...

[Web Search](#)

### EXPRESSION ON THE DEFLECTION OF A FLEXIBLE THIN ROD AND IT'S MEASUREMENT

K Miura, T Nishimura - [fluid.ippt.gov.pl](http://fluid.ippt.gov.pl)

... paper, a **deformable** body element which is very **long** in comparison with its width and have a uniform circular cross section, such as a flexible **rod**, flexible ...

[View as HTML](#) - [Web Search](#) - [fluid.ippt.gov.pl](http://fluid.ippt.gov.pl)

**Basic Search**

[Advanced Search](#) [Search Preferences](#) [Saved Results](#)

"long element" AND (mesh) AND deformable

Search

☒ Journal sources ☒ Preferred Web sources ☒ Other Web sources ☐ Exact phrase

Searched for:: :All of the words:"long rod" AND (mesh) AND deformable

Found:: :24 total | [9 journal results](#) | [5 preferred web results](#) | [10 other web results](#)

Sort by:: :relevance | [date](#)

Save checked results

Email checked results

Export checked results

- ☐ 1. [Ricochet of a tungsten heavy alloy long-rod projectile from deformable steel plates](#)  
**Woong Lee / Heon-Joo Lee / Hyunho Shin**, *Journal of Physics D: Applied Physics*, Oct 2002  
...tungsten heavy alloy **long-rod** projectile from **deformable** steel plates Woong...heavy alloy (WHA) **long-rod** projectile, impacting...velocities, from a **deformable** RHA plate with finite...the diameter of the **long-rod** projectile, whilst...  
**Full text article available from IoP**  
[similar results](#)

- ☐ 2. [Constitutive modelling of shape memory alloys and upscaling of deformable porous media](#)  
**Popov, Petar Angelov, 1977- / Popov, Petar Angelov, 1977-**, Aug 2005  
...incompressible Newtonian fluid and a **deformable** solid. A numerical method is presented...45 2.2. Adaptive **mesh** refinement...185 2.3.3. Fluid **mesh** regeneration...Comparisons of FEM solutions with different **mesh** sizes and time steps...  
**Full text thesis available via ND LTD**  
[similar results](#)

- ☐ 3. [A computational study of the influence of thermal softening on ballistic penetration in metals](#)  
**Yadav, S. / Repetto, E.A. / Ravichandran, G. / Ortiz, M.**, *International Journal of Impact Engineering*, Sep 2001  
...penetration of tungsten alloy **long-rod** penetrators into armor steel...improve the solution by adaptive **mesh** refinement and coarsening...numerical implementation of **mesh** adaption can be found elsewhere...to represent contact between **deformable** bodies [8] . Note that **mesh** adaption furnishes a convenient...  
**Full text article available from SCIENCE @ DIRECT**  
[similar results](#)

- ☐ 4. [Microsoft Word - program3.doc \[PDF-2MB\]](#)  
Oct 2004  
1 Conference Program Wednesday, June 27, 8:30-8:45 3 Wednesday, June 27, 8:30-8:45 Introductory Remarks Wednesday, June 27, 8:30-8:45 Pavilion Chair: Sia Nemat-Nasser Wednesday, June 27, 9:00-10:30 Composite Materials: Composites Wednesday,

Re  
us  
fo  
pla  
pr  
the  
tw  
Or  
Al  
F



**Basic Search**

[Advanced Search](#) [Search Preferences](#) [Saved Results](#)

"long element" AND (mesh) AND deformable

Search

☒ Journal sources ☒ Preferred Web sources ☒ Other Web sources ☐ Exact phrase

Searched for:: :All of the words:"long element" AND (mesh) AND deformable

Found:: :17 total | 0 journal results | 1 preferred web results | 16 other web results

Sort by:: :relevance | [date](#)

Save checked results

Email checked results

Export checked results

1. [Static Solution for Real Time Deformable Objects with Fluid Inside](#) [13K]  
Nov 2004  
...physically based simulation of **deformable** objects, suitable for real...Physically based simulation of **deformable** objects is a key challenge...and cross the object. One **mesh** defines one **deformable** face for the object. Multiple...full 3D **deformable** object. A **long element** can be compared to a non...  
[more hits](#)  
[from](#) [http://www.ercim.org/publication/Ercim\_News/enw44/cost...]  
[similar results](#)
2. [EUROGRAPHICS 2005 STAR State of The](#) [PDF-141K]  
Sep 2005  
...Hence, it is common to associate a **deformable** polygonal **mesh** with a high level **deformable** model that is more controllable...deformation governs that of the polygonal **mesh**. · Physically-based **Deformable** Models -- Models in this category...  
[http://www.caip.rutgers.edu/~cdcorrea/docs/ST6.pdf]  
[similar results](#)
3. [October 29 - November 3 2001 Hawaii USA](#) [PS-13K]  
Feb 2003  
...approach to apply LEM - **Long Element** Method, a new method...based simulation of **deformable** objects, to a general polygonal **mesh**. The LEM method is...the case between a **deformable** body and a rigid body...general polygonal **mesh**. We also show our...used to model our **deformable** object. L F A L Figure 1: A **Long Element** Consider the **long**...  
[more hits from](#) [http://www.ucb.br/fisica/antigo/profs/ivan/iros2001.ps]  
[similar results](#)
4. [EUROGRAPHICS 2005 STAR State of The](#) [PDF-141K]  
Jul 2005  
...Hence, it is common to associate a **deformable** polygonal **mesh** with a high level **deformable** model that is more controllable...deformation governs that of the polygonal **mesh**. · Physically-based **Deformable** Models

Refine your search using these key words found in the results:  
[collision detection](#)  
[deformable models](#)  
[robotics and autom](#)

Or refine using:

[All of the words](#)

Refine

-- Models in this category...

[[http://cs.swan.ac.uk/~csmark/PDFS/ST6\\_2005.pdf](http://cs.swan.ac.uk/~csmark/PDFS/ST6_2005.pdf)]

[similar results](#)

- ☐ 5. [D:\Publications\ISER02\ISER-Book\main-book.dvi](#) [PDF-23K]  
Jun 2002  
...emphasize on a new **deformable** physical model...research group. 2.1  
**Long Element** Method LEM [5...left to right : A **Long Element** with  
neighbors, liver **mesh**, LEM discretization...perpendicular to the thigh  
**mesh**. That gives the...produced by the **deformable** model. (N.B.  
a...simulation. With the new **Long Element** Method (LEM) based...  
[<http://www.iser02.unisa.it/papers/31.pdf>]  
[similar results](#)
- ☐ 6. [University of Texas at](#) [PS-19K]  
**Xiuzhong Wang / Venkat Devarajan / T AC / T AF / T AB** , Mar 2004  
...sponding triangle surface **mesh** according to the outer cubic **mesh**.  
Further work needs to be done on the tetrahedron **mesh** situation.  
References BALANIUK...Dynamic simulation of **deformable** objects using  
the **long element** method. In the 10th international...  
[<http://virtual.uta.edu/CD/xiuzhong/paper110.ps>]  
[similar results](#)
- ☐ 7. [Faithfull Haptic Feedback in Medical Simulators](#) [PDF-23K]  
Apr 2004  
...emphasize on a new **deformable** physical model...research group. 2.1  
**Long Element** Method LEM [5...left to right : A **Long Element** with  
neighbors, liver **mesh**, LEM discretization...perpendicular to the thigh  
**mesh**. That gives the...produced by the **deformable** model. 0 500  
1000...simulation. With the new **Long Element** Method (LEM) based...  
[more hits from](#) [<http://www.fi.muni.cz/~xpeterl/FEM/iser02.pdf>]  
[similar results](#)
- ☐ 8. [Activity Report 2004, Project-Team E-MOTION](#) [PDF-107K]  
Feb 2005  
...concave or convex, rigid or **deformable**. The library is  
numerically...provides efficient tools for **deformable** object simulation. It  
includes...Element Method (FEM) and the **Long Element** Method (LEM)  
**deformable** models for physical simulation...  
[<http://www.inria.fr/rapportsactivite/RA2004/e-motion20...>]  
[similar results](#)
- ☐ 9. [Simulation Dynamique en Temps-Réel et Interaction 3D de Tissu  
Biologique: Application aux Simulateurs Médicaux](#)  
**Sundaraj, Kenneth**, Jan 2004  
...22 2.2.8 **Long Element** Method (LEM...4 Collision Detection of  
**Deformable** Objects...112 6.2.2 Thigh **Deformable** Model...122 6.3.3 ACL  
**Deformable** Model...  
**Full text thesis available via NDLTD**  
[similar results](#)
- ☐ 10. [Virtual Suturing for Training in Vascular](#) [PDF-598K]  
Jun 2005  
...analysis . . . . . 109 4.2.3.3 Modelling approaches . . .  
. . . . . 110 4.3 **Deformable** modelling in real-time . . . . .  
. . . . . 112 4.3.1 Overview...  
[<http://www.comp.leeds.ac.uk/research/pubs/theses/holbr...>]  
[similar results](#)
- ☐ 11. [Untitled](#) [Word-29K]  
**Liu Xin** , Oct 2005

...Complex Contacts Involving **Deformable** Objects for Haptic and Graphic...complex contacts, modeling, **deformable** objects Introduction Haptic...haptic rendering involving **deformable** objects have a very wide...Boundary Element Method, and **Long Element** Method) can achieve real...

[<http://www.ntu.edu.sg/home5/liux0004/LIU%20XIN's%20MIR...>]  
[similar results](#)

- 12. [Simulation of Linear Elastic Media with Fluid](#) [PDF-173K]  
Feb 2004  
...2 1.1.2 **Deformable** Models for Tissue Simulation...Problem Formulation 8 2.1 **Deformable** Methods in Haptics...41 4.4.1 **Mesh** Generation...74 A.5 3D **Mesh** of Parallel Slices with Tetrahedral...Infra Red Emitting Diode LEM **Long Element** Method MRI Magnetic Resonance...  
[<http://www.cim.mcgill.ca/~andrewg/GoslineMAScThesis.pd...>]  
[similar results](#)

- 13. [The Virtual Craniofacial Patient Are we there yet](#) [PDF-38K]  
Jul 2003  
...finite element (Motoyoshi et al, 1993 Koch et al, 1996), and **long element** (Balaniuk, 2002), approaches. These models are still in development...wireframe model (Sloten et al., 1996 Xia and Ip et al., 2000). **Deformable** models of the skull have been developed to simulate craniofacial...  
[[http://graphics.usc.edu/cgit/pdf/papers/Mah\\_Moyers.pdf](http://graphics.usc.edu/cgit/pdf/papers/Mah_Moyers.pdf)]  
[similar results](#)

- 14. [ercim\\_news\\_43](#) [PDF-301K]  
Dec 2000  
...of Detail in Physically-based Real-time Animation by John Dingliana and Carol O'Sullivan 44 Static Solution for Real Time **Deformable** Objects With Fluid Inside by Ivan F. Costa and Remis Balaniuk 46 Exploring Virtual Prototypes using Time-Critical Rendering...  
[[http://www.ercim.org/publication/Ercim\\_News/enw44/EN44...](http://www.ercim.org/publication/Ercim_News/enw44/EN44...)]  
[similar results](#)

- 15. [LEM An approach for real time physically based soft tissue](#) [PS-25K]  
**Ivan F. COSTA / Remis BALANIUK / Murat Cenk Cavusoglu / Frank Tendick / Michael Downes**, Feb 2002  
...For a survey of **deformable** modeling in computer...1) Figure 2: **Long element** However the force...Elements To simulate a **deformable** object we propose...the objects. A **long element** can be compared...Cartesian meshes, each **mesh** contain ing long...the grid 1 . The **long element** deforms only in...  
[<http://www.ucb.br/fisica/antigo/profs/ivan/icra2001b.p...>]  
[similar results](#)

- 16. [Virtual Environments and Haptic Interaction](#) [PDF-45K]  
Apr 2004  
...tissue can be considered as a **deformable** body of viscoelastic material...continuum mechanics and recently **long element** method (LEM) which we believe...generally not allowed. 2.3 The **Long Element** Method (LEM) Principle We...represent our object. Fig. 4. A **Long Element**(right) and Mod- eling of...  
[<http://www.fi.muni.cz/~xpeterl/FEM/isrr01.pdf>]  
[similar results](#)

- 17. [Finite Element Method and Soft Tissue Modelling](#) [PS-74K]  
Jun 2005  
...finite element procedure: 1. Generation of **mesh** and discretization of the

given domain...geometry approximation error. Density of the **mesh** can be variable and so reflecting the gradient...domain is discretised by finite element **mesh**, decomposition can be viewed as subdivision...  
[<http://www.fi.muni.cz/~xpeterl/PhD/survey/survey.ps>]  
[similar results](#)

**fast** :::

[Downloads](#) | [Subscribe to News Updates](#) | [User Feedback](#) | [Advertising Test Zone](#) | [Tell A Friend](#) | [Terms Of Service](#) | [Privacy Policy](#) | [Legal](#)

Powered by [FAST](#) © Elsevier 2006